

FY 2015-16 TAEP Cattle Genetics Program - Beef EPD Requirements by Breed - 3 Options

- \$1,600 maximum cost-share reimbursement for bulls with eligible Genomic Enhanced EPDs.

• NEW

Breed association must verify Genomic Enhanced EPD status prior to reimbursement request.

Bulls with Genomic Enhanced EPDs and performance information typically have 0.30 or greater accuracy for CE or BW.

Seedstock producers are encouraged to work with breed association to submit performance information on bulls and also to utilize appropriate DNA tests.

- \$1,200 maximum cost-share reimbursement for bulls with eligible standard EPDs.

To Qualify: A bull must meet or exceed EPD requirements in EACH EPD category for 1 of the following 3 bull types.

The 3 bull types are: **Balanced, Terminal or Calving Ease bulls.**

Each bull type (Balanced, Terminal or Calving Ease) has different EPD requirements.

- Minimum 0.15 accuracy for CE or BW must be met or exceeded for Calving Ease bull type.

The 3 EPD categories are: **Calving Ease, Growth and Maternal.**

Balanced and Calving Ease bulls must meet 3 of 3 EPD categories.

Terminal bulls must meet 2 of 2 EPD categories (Terminal bulls do not have a maternal requirement).

EPD values must be current as of June 1, 2015. EPDs must be generated and printed from the most prominent association of members for each eligible beef breed. Eligible beef breeds for the TAEP Genetics program must have a national breed performance testing program that participates in a National Cattle Evaluation Program recognized by the Beef Improvement Federation.

All bulls must have individual EPDs assigned by their breed association at time of sale catalog printing.

Please visit with your seedstock supplier or UT Extension agent about EPDs, Accuracies and Genomic Enhanced EPDs.

BALANCED Bulls		Must meet or exceed EPD requirements for: Calving ease and Growth and Maternal							
<i>(1st bull type option)</i>		1.) CALVING EASE +			2.) GROWTH +			3.) MATERNAL	
		Minimum		Maximum	Minimum		Minimum	Maximum	
Breed		CE	or	BW	WW	or	YW	MILK	MILK
Angus		3	or	2.9	46	or	77	14	to 34
Beefmaster				0.2	4	or	6	-1	to 9
Brahman				1.4	11	or	18	1	to 11
Brangus & Ultrablack		4	or	1.5	20	or	34	6	to 18
Braunvieh		5	or	3.0	42	or	64	27	to 45
Charolais		4	or	0.2	19	or	31	2	to 21
Gelbvieh		8	or	2.5	65	or	87	21	to 42
Gelbvieh Balancer		10	or	1.2	62	or	90	17	to 39
Hereford		0.4	or	3.7	45	or	71	15	to 34
Black Hereford				3.3	30	or	50	13	to 18

Limousin	6	or	2.2	61	or	84	21	to	37
Lim-Flex	9	or	1.3	62	or	93	21	to	36
Maine Anjou	9	or	1.0	43	or	56	13	to	27
MaineTainer	8	or	1.2	42	or	55	12	to	23
Red Angus	3	or	0.1	51	or	77	13	to	30
Salers	-0.3	or	2.5	28	or	53	10	to	29
Santa Gertrudis			-0.4	-4	or	-5	-3	to	9
Shorthorn/ShorthornPlus	5	or	2.0	43	or	42	15	to	29
Simmental	8	or	2.1	59	or	82	14	to	33
SimGenetics	9	or	1.4	56	or	81	15	to	33
South Devon			2.9	28	or	55	12	to	33

Must meet or exceed EPD requirements for: Calving ease and Growth									
TERMINAL Bulls									
<i>(2nd bull type option)</i>									
Breed	1.) CALVING EASE +			2.) GROWTH +			3.) MATERNAL		
	Minimum		Maximum	Minimum		Minimum	Minimum		Maximum
	CE	or	BW	WW	or	YW			
Angus	0	or	4.7	53	or	92			N/A
Beefmaster			1.6	12	or	17			N/A
Brahman			3.1	20	or	32			N/A
Brangus & Ultrablack	2	or	3.1	28	or	54			N/A
Braunvieh	2	or	5.3	47	or	73			N/A
Charolais	-2	or	2.9	27	or	48			N/A
Gelbvieh	6	or	3.9	74	or	102			N/A
Gelbvieh Balancer	7	or	2.7	70	or	106			N/A
Hereford	-1.5	or	5.5	51	or	83			N/A
Black Hereford			4.7	35	or	57			N/A
Limousin	3	or	3.9	68	or	98			N/A
Lim-Flex	6	or	2.8	69	or	106			N/A
Maine Anjou	5	or	3.6	50	or	68			N/A
MaineTainer	3	or	3.7	49	or	67			N/A
Red Angus	0	or	2.2	61	or	96			N/A
Salers	-1.1	or	3.9	36	or	69			N/A
Santa Gertrudis			1.1	0.9	or	1.2			N/A
Shorthorn/ShorthornPlus	0	or	5.1	52	or	59			N/A
Simmental	4	or	4.3	67	or	98			N/A
SimGenetics	5	or	3.4	65	or	100			N/A
South Devon			5.0	38	or	72			N/A

CALVING EASE Bulls									
<i>(3rd bull type option)</i>									
NEW • CE or BW must meet or exceed minimum 0.15 Accuracy for Calving Ease bull type •									
Must meet or exceed EPD requirements for: Calving ease and Growth and Maternal									
Breed	1.) CALVING EASE +			2.) GROWTH +			3.) MATERNAL		
	Minimum		Maximum	Minimum		Minimum	Minimum		Maximum
	CE (Acc.)	or	BW (Acc.)	WW	or	YW	MILK		MILK
Angus	7 (.15)	or	1.4 (.15)	42	or	74	14	to	34
Beefmaster			-1.8 (.15)	3	or	5	-1	to	9
Brahman			-0.8 (.15)	10	or	16	1	to	11
Brangus & Ultrablack	7 (.15)	or	-0.5 (.15)	17	or	31	6	to	18
Braunvieh	9 (.15)	or	0.2 (.15)	39	or	59	27	to	45

Charolais	10 (.15) or -2.9 (.15)	17 or 28	2 to 21
Gelbvieh	12 (.15) or 0.1 (.15)	62 or 84	21 to 42
Gelbvieh Balancer	13 (.15) or -0.7 (.15)	59 or 88	17 to 39
Hereford	4.2 (.15) or 1.8 (.15)	41 or 67	15 to 34
Black Hereford	2.0 (.15)	28 or 48	13 to 18
Limousin	11 (.15) or -0.5 (.15)	57 or 79	21 to 37
Lim-Flex	12 (.15) or -0.4 (.15)	59 or 88	21 to 36
Maine Anjou	13 (.15) or -0.9 (.15)	41 or 52	13 to 27
MaineTainer	11 (.15) or -0.3 (.15)	40 or 52	12 to 23
Red Angus	7 (.15) or -1.8 (.15)	48 or 74	13 to 30
Salers	0.6 (.15) or 1.0 (.15)	25 or 51	10 to 29
Santa Gertrudis	-1.6 (.15)	-5 or -7	-3 to 9
Shorthorn/ShorthornPlus	9 (.15) or -0.6 (.15)	40 or 39	15 to 29
Simmental	13 (.15) or 0 (.15)	54 or 77	14 to 33
SimGenetics	13 (.15) or -0.9 (.15)	51 or 75	15 to 33
South Devon	0.5 (.15)	24 or 52	12 to 33

Contact TAEP about other breeds:

1-800-342-8206 - Phone

livestock.genetics@tn.gov

Blonde d'Aquitaine, Chiangus, Murray Grey, Pinzgauer,
Senepol and Tarentaise.

Example:

Does this Angus bull qualify? CE = 8 / BW = 3.1 / WW = 43 / YW = 73 / Milk = 34

As which bull type?

BALANCED Bull

Must meet or exceed EPD requirements for: Calving ease **and** Growth **and** Maternal

Calving Ease (CE)

acceptable greater than 3

Birth Weight (BW)

unacceptable greater than 2.9

Calving ease category:

acceptable meets CE requirement

Weaning Weight (WW)

unacceptable lower than 46

Yearling Weight (YW)

unacceptable lower than 77

Growth category:

unacceptable meets *neither* WW or YW requirements

Milk

acceptable falls between 14-34

Maternal category:

acceptable meets Milk requirement (34 is max.)

This bull does not qualify as a "Balanced" bull: Growth category is unacceptable

TERMINAL Bull

Must meet or exceed EPD requirements for: Calving ease **and** Growth only

Calving Ease (CE)

acceptable greater than 0

Birth Weight (BW)

acceptable lower than 4.7

Calving ease category: **acceptable** meets *both* CE and BW requirements

Weaning Weight (WW) unacceptable lower than 53

Yearling Weight (YW) unacceptable lower than 92

Growth category: **unacceptable** meets *neither* WW or YW requirements

Milk *not required for Terminal bulls*

Maternal category: *not a required category for Terminal bulls*

This bull does not qualify as a "Terminal" bull: Growth category is unacceptable

CALVING EASE Bull

Must meet or exceed EPD requirements for: Calving ease ***and*** Growth ***and*** Maternal

Calving Ease (CE) acceptable greater than 7

Birth Weight (BW) unacceptable greater than 1.4

Calving ease category: **acceptable** meets CE requirement

Weaning Weight (WW) acceptable greater than 42

Yearling Weight (YW) unacceptable lower than 74

Growth category: **acceptable** meets WW requirement

Milk acceptable falls between 14-34

Maternal category: **acceptable** meets Milk requirement (34 is max.)

If this bull has a 0.15 or higher Accuracy for CE:
This bull does qualify as a "Calving Ease" bull: All 3 categories are acceptable

If this bull has a 0.05 Accuracy for CE:
This bull does NOT qualify as a "Calving Ease" bull.

FY 2015/2016 TAEP Cattle Genetics Program - Minimum Dairy LNM or Index Requirements by Breed

To Qualify: A bull must meet or exceed the requirements in **1 of the 2** categories.

<u>BREED</u>	<u>LNM</u>	<u>or</u>	<u>Index</u>	<u>Value</u>
HOLSTEIN	308	or	TPI	1719
Red & White	308	or	TPI	1719
AYRSHIRE	223	or	PTI	83
GUERNSEY	102	or	PTI	78
JERSEY	217	or	JPI	82
MILKING SHORTHORN	50			